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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary,

Complete if Known					
Application Number	10/714,100				
Filing Date	November 13, 2003				
First Named Inventor	Hiroaki Sekizawa				
Art Unit	2141				
Examiner Name	Not Yet Known				
Attorney Docket Number	448563/0237				

			U. S. PATENT		
Examiner initials*	Cite No.1	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant
		Number-Kind Code <sup>2 (6 known)</sup>			Figures Appear
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		FOREIGN	PATENT DOCL	MENTS		
Examiner Initials*	Cite No.1	Foreign Palent Document  Country Code* Number * Wind Code* (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	₹
XC		JP-57-172497	10-23-1982	Tateishi Elec. Co.	Engl. trans.	X
20(		JP-03-161765 ~	07-11-1991	Sanyo Elec. Co.	Engl. abst. and partial trans.	X
50	1	JP-04-256971 -	09-11-1992	Fuji Xerox Co. Ltd.	Engl, abst. and trans.	X
77[		JP-05-236555 ′	09-10-1993	NEC Corp.	Engl. abst. and trans.	X
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\*EXAMINER: Initial-M'reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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nder the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. Complete if Known Substitute for form 1449A/PTO **Application Number** 10/714,100 Filing Date November 13, 2003 **INFORMATION DISCLOSURE** First Named Inventor Hiroaki Sekizawa STATEMENT BY APPLICANT Art Unit 2141 **Examiner Name** Not Yet Known (Use as many sheets as necessary) Attorney Docket Number 448563/0237 Sheet

Examiner Ci Initials* No	Cite No.1	Document Number	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where
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ns		JP-07-288871	10-31-1995	Sanyo Elec. Co.	Engl. abst. and trans.	X	
271		JP-07-334445	12-22-1995	Hitachi Ltd.	Engl. abst. and trans.	X	
ے ح اح		JP-08-115125 —	05-07-1996	Canon Inc.	Engl. abst. and trans.	X	
PU		JP-08-241019 ~	09-17-1996	Toshiba Corp.	Engl. abst. and trans.	X	
77 (_	<u></u>	JP-08-286854 -	11-01-1996	Fuji Xerox Co. Ltd	Engl. abst. and trans.	X	

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77.		JP-09-134297-	05-20-1997	Sumitomo Elec.	Engl. abst. and trans.	X	
25		JP-09-152815-	06-10-1997	Ricoh Co. Ltd.	Engl. abst. and trans.	X	
RC	<b></b>	JP-09-188042 ′	07-22-1997	Canon Inc.	Engl. abst. and trans.	X	
と	]	JP-09-251356 -	09-22-1997	Canon Inc.	Engl. abst. and trans.	X	
76		JP-09-298543	11-18-1997	Sumitomo Elec.	Engl. abst. and trans.	X	

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	NFORMATION DISCLOSURE STATEMENT BY APPLICANT		First Named Inventor	Hiroaki Sekizawa	
317	AILMENT DI	AI I EIGAII I	Art Unit	2141	
	(Use as many sheets	as necessary)	Examiner Name	Not Yet Known	
Sheet	4	0/ 5	Attorney Docket Number	448563/0237	

Examiner	Cite	Document Number	U. S. PATENT D Publication Date	Name of Patentee or	Pages, Columns, Lines, Where
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	Substitute for form 1449B/PTO				Complete if Known					
					Application Number	10/714,100				
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	STATEMENT E	BY A	PPL	<b>ICANT</b>	First Named Inventor	Hiroaki Sekizawa				
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		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
)1(		Judgment (Trial Case for Requesting Cancellation of Decision that Patent should be Cancelled), dated June 23, 2004, in corresponding Japanese Patent Application, with English Translation	X
Ж(		Corrected Notification of Reasons for Refusal, dated August 22, 2002, in corresponding Japanese Patent Application, with English Translation	X
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1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.4. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Signature

FORM PTO 1449	(modified)			ATTY DOCKET NO.: 448563/0237	ATTY DOCKET NO.: 448563/0237 APPLICATION NO.: (cont. of 10/460,802)				
		IENT OF COMMERCE TRADEMARK OFFICE		APPLICANT: Hiroaki Sekizawa					
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			<u> </u>	U.S. PATENT DOCUMENTS					
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE		
96(		4,251,858	2/1981	Cambigue, et al.					
		5,077,582	12/1991	Kravette, et al.					
		5,084,875	1/1992	Weinberger, et al.					
		5,214,772	5/1993	Weinberger, et al.	•				
		5,220,674	6/1993	Morgan, et al.					
	5,305,199 4/1994		LoBiondo, et al.						
		5,333,286	7/1994	Weinberger, et al.					
4(		5,580,177	12/1996	Gase, et al.					
700				FOREIGN PATENT DOCUMENTS					
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT		
XL		03-161765	07/11/1991	Japan					
ne		04-256971	09/11/1992	Japan					
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FORM PTÓ 1449 (modified)				ATTY DOCKET NO.: 448563/0237 APPLICATION NO.: (cont. of 10/460,802)				of 10/460,802)		
U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE					APPLICANT: Hiroaki Sekizawa					
LIST OF REFERENCES CITED BY APPLICANT(S) (Use several sheets if necessary)					FILING DATE: Concurrently Herewith GROUP: Not Yet			et Assigned		
					J.S. PATENT DOCUMENTS					
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od (		5,604,578	2/1997		Shibuya, et al.					
		5,651,006	7/1997		Fujino, et al.	ļ				
		5,727,135	3/1998		Webb, et al.					
		5,859,778	1/1999		Kuroda, et al.					
		5,982,994	11/1999		Mori, et al.					
40		6,088,816 7/2000		Nouri, et al.				·		
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FOREIGN PATENT DOCUMENTS										
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KC		06-348632	12/22/1994		Japan	<u></u>				
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スへ		07-288871	10/31/1995		Japan					
MC		08-115125	05/07/1996		Japan					
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77(	09-152815	06/10/1997	Japan								
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